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What is claimed is:

1. A three piece automobile wheel comprising an inner rim; an outer rim joined to the inner rim to form the wheel rim; and a center disc attached to the outer rim.

wherein inner rim and outer rim surfaces in mutual opposition bend inwards to establish a flange section for center disc attachment, and the center disc is fixed to the inner rim and outer rim by fastening bolts which pass through the flange section of the inner rim and outer rim, and

wherein a trough is provided in the outside wall of the inner rim between the flange section and rim flange, the outer side-wall of the trough nearest the flange section is disposed off the rlm certer-plane closer to the center disc, a valve opening is provided to attach a valve which passes through this outer side-wall, the configuration allows the valve base to be disposed inside the trough, and an open region is provided in the center disc to expose the valve stem, which is attached to the valve opening, outside the center disc.

- 2. A three piece automobile wheel as recited in claim 1 wherein the inner rim, 20 outer rim, and center disc are aluminum or aluminum alloy.
 - 3. A three piece automobile wheel as recited in claim 1 wherein the inner rim, outer rlm, and center disc are magnesium or magnesium alloy.
- 4. A three piece automobile wheel as recited in claim 1 wherein a through-25 hole region is provided in the flange section of the inher rim and outer rim to pass the valve stem, which is attached to the valve opening.
- A three piece automobile wheel as recited in claim 1 wherein the trough outer side-wall angle of inclination α with respect to the rim center-plane is 30 15° to 25°.

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- 6. A three piece automobile wheel as recited in claim 1 wherein the depth of the trough near the outer side-wall is greater than or equal to 15mm.
- 7. A three piece automobile wheel as recited in claim 6 wherein the depth of the trough near the outer side-wall is less than or equal to 35mm. 5
 - 8. A three piece automobile wheel as recited in claim 1 wherein the centerline distance (d) between the outer side-wall and the flange section is 10mm to 60mm.

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- 9. A three piece automobile wheel as recited in claim 1 wherein the centerline distance (d) between the outer side-wall and the flange section is 10mm to 50mm.
- 10. A three piece automobile wheel as recited in claim 1 wherein the 15 centerline distance (d) between the outer side-wall and the flange section is 10mm to 40mm.
- 11. A three piece automobile wheel as recited in claim 1 wherein the depth of the trough is such that the base of the valve does not project out beyond the 20 plane of the rim.
 - 12. A three piece automobile wheel as recited in claim 1 wherein the depth of the trough near the outer side-wall is greater than or equal to 15mm and less than or equal to 35mm.
 - 13. A three piece automobile wheel as recited in claim 1 wherein a valve is attached, which houses an air pressure sensor in the valve base.
- 14. A three piece automobile wheel as recited in claim 1 wherein the valve 30 base is shaped with one surface disposed along the bottom plane of the trough, the opposing outer surface disposed in a mahner which does not project beyond the plane of the wheel rim, and this outer surface is a smooth

surface which inclines slightly away from a shape which aligns along the plane of the rim.